This Track 1 Decision Document is marked "Draft" but is a final document signed by the agencies.

MAM Date 3/24/2005

DOE/ID- 10438 August 2001

SITE 029 TRACK 1 DECISION DOCUMENTATION PACKAGE, OU 10-08

DECISION DOCUMENTATION PACKAGE COVER SHEET

Prepared in accordance with

TRACK 1 SITES: GUIDANCE FOR ASSESSING LOW PROBABILITY HAZARD SITES AT THE INEEL

Site Description:

Asphalt Near Main Guard Gate

Site ID:

029

Operable Unit:

10-08

Waste Area Group:

10

I. Summary – Physical Description of the Site:

Site 029 is located 50 yds north of the intersection of East Portland Avenue and Highway 20, south of the INEEL Main Guard Gate. This site was originally listed as part of an environmental baseline assessment in 1994 and identified as a potential new waste site in 1995. In accordance with Management Control Procedure-3448, "Reporting or Disturbance of Suspected Inactive Waste Sites," a new site identification form was completed for this site. As part of the process, a field team wrote a site description and collected photographs and global positioning system (GPS) coordinates of the site (the GPS coordinates are

The GPS coordinates yestem is listed as North American Datum 27, Idaho East Zone, State Plane Coordinates. The new site identification process also included a search and review of existing historical documentation.

Early investigations revealed that Site 029 included several large areas of broken-up asphalt. The total estimated size of the area is approximately 5 ft wide x 30 ft long x 0.083 ft deep. Because of the location of the site, it is likely that the asphalt was left over from paving operations near the Main Guard Gate. It appeared the excess asphalt was driven a short distance away and discarded near the roadside.

INEEL WAG 10 and Cultural Resources personnel reinvestigated the site on June 12, 2001 but were unable to locate the asphalt site. Discussions with INEEL Facility Operations personnel confirmed that when the off-ramp from State Highway 20 to the INEEL Main Guard Gate was installed in 2000, the discarded asphalt was removed along with the soil, native grasses, sagebrush, and lava rocks in the process of grading and paving the road. The materials were discarded in the INEEL landfill. The area formerly containing the asphalt is now covered by the new highway off-ramp leading to the Main Guard Gate and the Central Facilities Area.

DECISION RECOMMENDATION

II. SUMMARY – Qualitative Assessment of Risk:

There is no evidence that a source of contamination exists at this site, nor is there empirical, circumstantial or other evidence of contaminant migration. The reliability of information provided in this report is high. Field investigations and interviews with INEEL Facility Operations personnel reveal no visual evidence of hazardous substances that may present a danger to human health or the environment. The asphalt has been removed and the area is covered with the highway off-ramp. Therefore, the overall qualitative risk at Site 029 is considered low.

III. SUMMARY - Consequences of Error:

False Negative Error:

The possibility of contaminant levels at this site being above risk-based limits is remote. Field investigations and interviews indicate no evidence of hazardous constituents. The asphalt has been removed, and the area graded and paved. There is no evidence that a potential source of contamination exists at this site.

False Positive Error:

If further action were completed at this low risk site, funds could exceed the environmental benefit. Surface soil sampling and analysis for organic compounds, metals, radionuclides or other hazardous constituents would be needed to confirm the presence or absence of contamination. Based on existing information and lack of a source, there is no need for further action at this site.

IV. SUMMARY – Other Decision Drivers:

No other decision drivers exist for this site.

Recommended Action:

It is recommended that this newly identified site be classified as No Further Action. Field investigations and interviews indicate it is highly unlikely that hazardous or radioactive materials were generated or disposed of at this site. There is nothing present at this site that would indicate evidence of contaminant migration, or historical or threatened release of hazardous substances, pollutants or contaminants. Central Facilities Area (CFA) is the closet INEEL facility, located approximately 3 miles northwest of the site. The site formerly consisted of several areas of discarded asphalt in close proximity to Highway 20 and the INEEL Main Guard Gate intersection. A new off-ramp was installed in 2000 over the area that formerly contained the asphalt. The asphalt chunks, soil, native grasses and sagebrush were removed to prepare the area for grading and paving. The asphalt was properly discarded into the INEEL landfill.

Signatures:	# Pages: 16 Date: August 8, 2001
Prepared By: Marilyn Paarmann, WPI	-
Approved By: Muni Hohe	Independent Review: Scott, Review

DECISION STATEMENT	Γ		
(DOE RPM)	Site	029	10010-08

Date Received: 8/24/64

Disposition:

No Further Action is appropriate since the discarded asphalt which lead to identification as a new CERCLA site was removed during highway upgrades.

9/3/04 Date:

Pages: /

Name: Kathleen E. Hain

Signature: Nathleen & Hair

DECISION ST (EPA R	
Date Received: 9/2/0/	10-08-029
Disposition: Asphatt debus site Photographs support The to conclude that hazar present at this solio site no longer exists as removed or incorporated No further remedial necessary	located mean man gate. Its assumption. No basis Idous substances are I waste drupt site. I asphalt chanks are I into recent readowns. muestigates appears
	# Pages: Signature: haunteece
Name: Wayne Helle	way cecco

Draft	Draft
DECISION STATEMENT (IDEQ RPM)	
Date Received: August 31, 2000	
Disposition:	
Site 029	
Site 029 included several large areas of broken asphalt covering an area about 5 ft wide by 30 ft long near the INEEL Main Guard Gate (about 50 yds north of the intersection of Highway 20 and East Portland Avenue). A site visit and subsequent inquiry revealed that the discarded asphalt was removed and discarded in the INEEL Landfill prior to construction of the new off-ramp from Highway 20 in 2000.	
This site is recommended for No Further Action.	

Date: //cca bec 15, 200) #Pa	iges: /
Name: Daty L F. Koch Sign	ature: Sayl 2. Joh

PROCESS/WASTE WORKSHEET	/ORKSHEET	
SITE ID: 029	PROCESS:	Asphalt Near Main Guard Gate
	WASTE:	Discarded Asphalt
Col 1 Processes Associated with this Site	Col 2 Waste Description & Handling Procedures	Col 3 Description & Location of any Artifacts/Structures/Disposal Areas Associated with this Waste or Process
Disposal site containing several large areas of asphalt	The asphalt was likely discarded when constructing the INEEL Main Guard Gate parking lot and roadway. The debris is industrial in nature and related to INEEL activities.	Artifact: Large Areas of Discarded Asphalt Location: The site is located 50 yds north of the intersection of East Portland Avenue with Highway 20, south of Main Guard Gate. Description: Formerly consisted of several large areas of discarded asphalt. However, when the Highway 20 off-ramp to the INEEL was constructed in 2000, the asphalt was removed along with native materials to prepare for grading and paving. The materials were disposed of at the INEEL landfill.

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			Col 9 Overall Reliability (high/med/ low)	High
			Col 8 Qualitative Risk Assessment (high/med/	Low
	ard Gate		Col 7 Risk-based Concentration	Not Applicable
	Asphalt Near Main Guard Gate	Discarded Asphalt	Col 6 Known/Estimated Concentration of Hazardous Substances/ Constituents	None
	PROCESS:	WASTE:	Col 5 Potential Sources Associated with this Hazardous Material	Soil
CONTAMINANT WORKSHEET	SITE ID: 029		Col 4 What Known/Potential Hazardous Substance/Constituents are Associated with this Waste or Process?	None

Question 1.	What are the waste generation processes, locations, and dates of operation associated with this site?	
Block 1	Answer:	
Early investigations revealed that Site 029 included several large areas of broken-up asphalt. The total estimated size of the area was approximately 5 ft wide x 30 ft long x 0.083 ft deep. Because of the location of the site, it is likely that the asphalt was left over from paving operations at the INEEL Main Guard Gate. It appeared the excess asphalt was driven a short distance away and discarded near the roadside. INEEL WAG 10 and Cultural Resources personnel reinvestigated the site on June 12, 2001 but were unable to locate the asphalt. Discussions with INEEL Facility Operations personnel confirmed that when the off-ramp from State Highway 20 to the INEEL Main Guard Gate was installed in 2000, the off-ramp was installed over the asphalt area. During the process of scraping, grading and paving the area, the asphalt was removed, along with soil, grasses, sagebrush, lava rocks, and other native materials. The materials were discarded in the INEEL landfill. The area formerly containing the asphalt is now covered by the new highway off-ramp leading to the INEEL Main Guard Gate and the Central Facilities Area.		
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)	
Investigations conducted by INEEL Environmental Restoration Environmental Safety and Health (ER ES&H) personnel revealed that the site formerly consisted of several large areas of discarded asphalt. INEEL WAG 10 and Cultural Resource personnel reinvestigated the site June 12, 2001 and confirmed site could no longer be located. It appeared as though the new off-ramp into the INEEL Main Guard Gate was installed over the discarded asphalt.		
Block 3	Has this INFORMATION been confirmed? ⊠ Yes ☐ No If so, describe the confirmation. (check one)	
Interviews were conducted with ER ES&H personnel, and INEEL WAG 10 and Cultural Resource personnel to confirm that the asphalt was indeed removed from the site and properly discarded in the INEEL landfill.		
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)	
_	2, 5 Documentation about Data Disposal Data Ess Data QA Data QA Data Site Drawings D&D Report Currence Report Initial Assessment Well Data	

Question 2.	What are the disposal processes, locations, and dates of operation associated with this site? How was the waste disposed?	
Block 1	Answer:	
INEEL WAG 10 and Cultural Resource personnel visited the site June 12, 2001. Site 029 could no longer be located, due to the installation of a new off-ramp into the INEEL at the main guard gate entrance. The site was originally located 50 yards north of the intersection of East Portland Avenue with Highway 20, south of the main guard gate. The site included several large areas of broken-up asphalt, which were likely discarded after paving operations near the main guard gate. It appears as though the asphalt was driven a short distance away and discarded near the roadside. An interview with INEEL Facility Operations personnel revealed that the asphalt was removed prior to the installation of the off-ramp and discarded in the INEEL landfill.		
Block 2	How reliable are the information sources? High Med Low Explain the reasoning behind this evaluation. (check one)	
Investigations conducted by INEEL ER ES&H, WAG 10 and Cultural Resource personnel confirmed that the site contained asphalt discarded from INEEL operations. It was also confirmed that the asphalt has been removed and properly disposed of in the INEEL landfill, as a result of the newly installed off-ramp into the INEEL Main Guard Gate and Central Facilities Area.		
Block 3	Has this INFORMATION been confirmed? ⊠ Yes ☐ No If so, describe the confirmation. (check one)	
This information was confirmed through site investigations, interviews with INEEL ER ES&H personnel, and photographs.		
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)	
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Question 3.	Is there evidence that a source exists at this site? If so, list the sources and describe the evidence.		
Block 1	Answer:		
There is no evidence that a source exists at Site 029. There is no evidence of hazardous constituents, stained or discolored soil, odors or disturbed vegetation. INEEL WAG 10 and Cultural Resource personnel attempted to locate the site during a June 12, 2001 investigation and the asphalt could not be found. Interviews with INEEL Facilities Operations personnel revealed that prior to the installation of the off-ramp, the asphalt and native materials were removed to prepare the area for grading and paving for installation of the off-ramp. The asphalt and other materials were reportedly disposed in the INEEL landfill.			
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)		
Site investigations conducted prior to the installation of the INEEL Main Guard Gate off-ramp revealed that the site consisted of several large areas of discarded asphalt. A June 12, 2001 reinvestigation of the site revealed that the asphalt could no longer be located. An interview confirmed that the asphalt had been removed and properly discarded in an INEEL landfill.			
Block 3	Has this INFORMATION been confirmed? Yes No If so, describe the confirmation. (check one)		
Interviews and site investigations confirm that the asphalt was removed.			
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)		
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Question 4.	Is there empirical, circumstantial, or other evidence of migration? If so, what is it?	
Block 1	Answer:	
There is no visual evidence of migration at Site 029. A recent site investigation revealed that the asphalt could no longer be located; interviews confirmed that the asphalt was removed during installation of the new Highway 20 off-ramp. There is no evidence of a source of contamination at this site.		
Block 2	How reliable are the information sources? High Med Low Explain the reasoning behind this evaluation. (check one)	
Interviews with INEEL Facility Operations personnel revealed that the asphalt was removed and properly disposed of during scraping, grading and paving in the off-ramp area.		
Block 3	Has this INFORMATION been confirmed? Yes No If so, describe the confirmation. (check one)	
This information was confirmed through interviews concerning the removal and disposal of the discarded asphalt, and a recent visual site inspection.		
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)	
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Question 5.	Does site operating or disposal historical information allow estimation of the pattern of potential contamination? If the pattern is expected to be a scattering of hot spots, what is the expected minimum size of a significant hot spot?		
Block 1	Answer:		
There is no expected pattern of potential contamination because there is no evidence of a source of contamination at this site. The asphalt was removed along with native soil, grasses, and rocks during scraping and grading. The area formerly containing the asphalt chunks is now a paved off-ramp leading to the Main Guard Gate and CFA.			
Block 2	How reliable are the information sources? High Med Low Explain the reasoning behind this evaluation. (check one)		
This information was obtained from an environmental baseline assessment conducted in 1994, and from a subsequent site investigation conducted by INEEL WAG 10 and Cultural Resource personnel June 12, 2001. The latter investigation and subsequent interview revealed that the asphalt was removed and discarded into the INEEL landfill during installation of the off-ramp.			
Block 3	Has this INFORMATION been confirmed? ☑ Yes ☐ No If so, describe the confirmation. (check one)		
This was confirmed with interviews and site inspections of the area.			
Block 4 Sources of Information (check appropriate box(es) & source number from reference list)			
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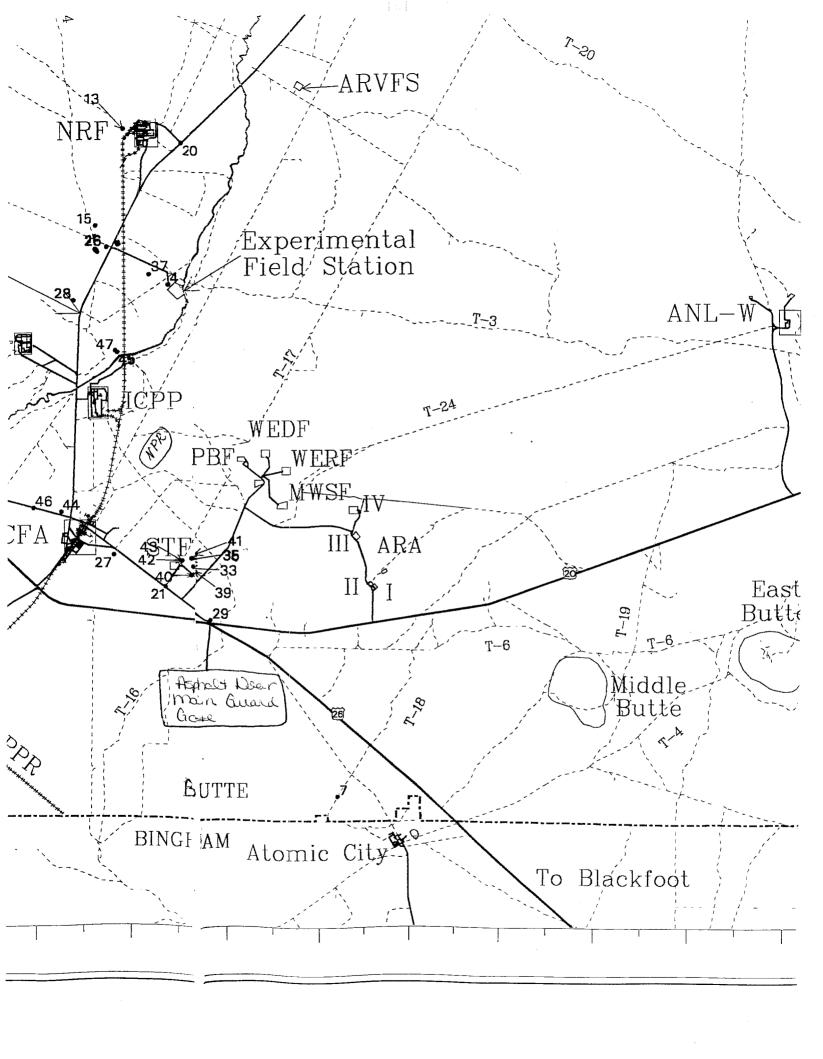
Question 6.	Estimate the length, width, and depth of the contaminated region. What is the known or estimated volume of the source? If this is an estimated volume, explain carefully how the estimate was derived.					
Block 1	Answer:					
Site investigations and photographs indicate that Site 029 covered an estimated area 5 ft wide by 30 ft long by 0.083 ft deep. The debris consisted of several large areas of broken-up asphalt. It was suggested that the asphalt was left over from paving operations at the INEEL Main Guard Gate approximately ten years ago - the excess asphalt was driven a short distance away and discarded near the roadside. A June 12, 2001 site investigation conducted by INEEL WAG 10 and Cultural Resource personnel revealed that the asphalt could no longer be located. Interviews with INEEL Facility Operations personnel revealed that the asphalt was removed, along with other native materials and disposed of in the INEEL landfill during installation of the new Highway 20 off-ramp leading to the Main Guard Gate entrance.						
Block 2 How reliable are the information sources? 🖂 High 🔲 Med 🔲 Low Explain the reasoning behind this evaluation. (check one)						
This information was obtained from an environmental baseline assessment conducted in 1994, and a subsequent site investigation conducted by INEEL WAG 10 and Cultural Resources. The estimated length, width, depth and volume of contamination were based on the initial assessment and photographs.						
Block 3 Has this INFORMATION been confirmed? Yes No If so, describe the confirmation. (check one)						
This has been confirmed through investigations and photographs.						
Block 4 Sources of Information (check appropriate box(es) & source number from reference list)						
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Question 7.	What is the known or estimated quantity of hazardous substance/constituent at this source? If the quantity is an estimate, explain carefully how the estimate was derived.				
Block 1	Answer:				
The estimated quantity of hazardous substances/constituents at this site is near zero, because there is no evidence of any hazardous or radioactive materials present. The site formerly consisted of several large areas of broken-up asphalt, likely resulting from INEEL-related paving operations at the Main Guard Gate. A June 12, 2001 site survey confirmed that the asphalt was removed; there is no potential source of contamination.					
Block 2 How reliable are the information sources? High Med Low Explain the reasoning behind this evaluation. (check one)					
This information was obtained from an environmental baseline assessment, INEEL WAG 10 and Cultural Resource investigations and photographs. The site investigation revealed no evidence of contamination, as the area and material of concern has been removed, disposed of and covered by a new off-ramp into the INEEL Main Guard Gate entrance.					
Block 3 Has this INFORMATION been confirmed? Yes No If so, describe the confirmation. (check one)					
This informat	ion was confirmed through site inspections and interviews.				
Block 4 Sources of Information (check appropriate box(es) & source number from reference list)					
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Question 8.	Is there evidence that this hazardous substance/constituent is present at the source as it exists today? If so, describe the evidence.				
Block 1	Answer:				
There is no evidence that a hazardous substance or constituent is present at levels that require action at this site. INEEL WAG 10 and Cultural Resource personnel were unable to locate the asphalt during a site investigation. It was confirmed through interviews with INEEL Facility Operations personnel that the asphalt was removed and was properly disposed of in the INEEL landfill.					
Block 2	Block 2 How reliable are the information sources? Nigh Med Low Explain the reasoning behind this evaluation. (check one)				
This evaluation is based on site visitations and interviews. The asphalt was removed and the area was scraped, graded and paved during installation of the new off-ramp into the Main Guard Gate. There is no evidence of hazardous constituents.					
Block 3 Has this INFORMATION been confirmed? Yes No If so, describe the confirmation. (check one)					
This information was confirmed through site inspections and interviews.					
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)				
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REFERENCES

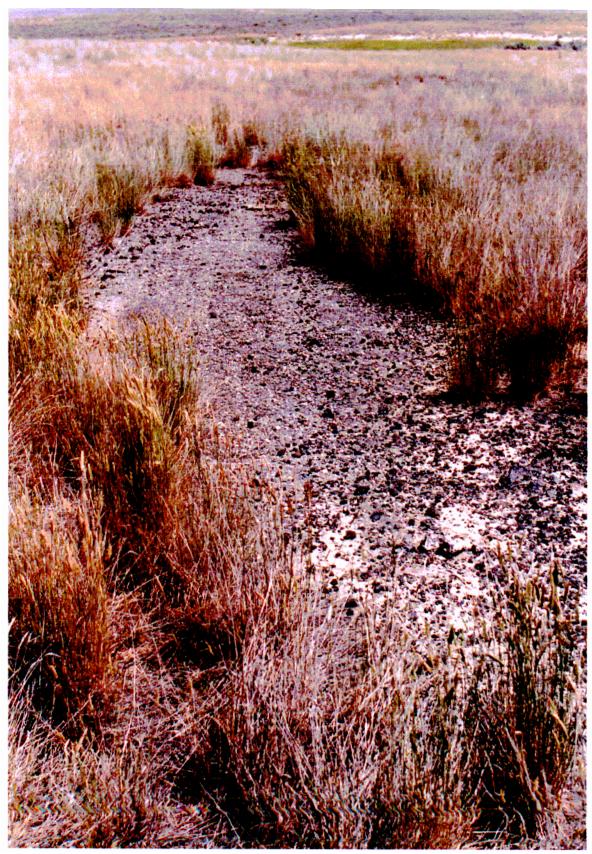
- 1. DOE, 1992, "Track 1 Sites: Guidance for Assessing Low Probability Sites at the INEL, DOE/ID- 10390"
- 2. Interview with an Environmental Baseline Assessment team member, February 6-7, 2001.
- 3. Photographs of Site 029: PN99-0424-1-21, PN99-0424-1-22, and PN99-0424-1-23.
- 4. FY 1999 WAG 10 Newly Identified Sites, Volumes I and II.
- 5. Investigation conducted by Tom Haney, INEEL WAG 10 and Brenda Ringe Pace, INEEL Cultural Resources Management, June 12, 2001.



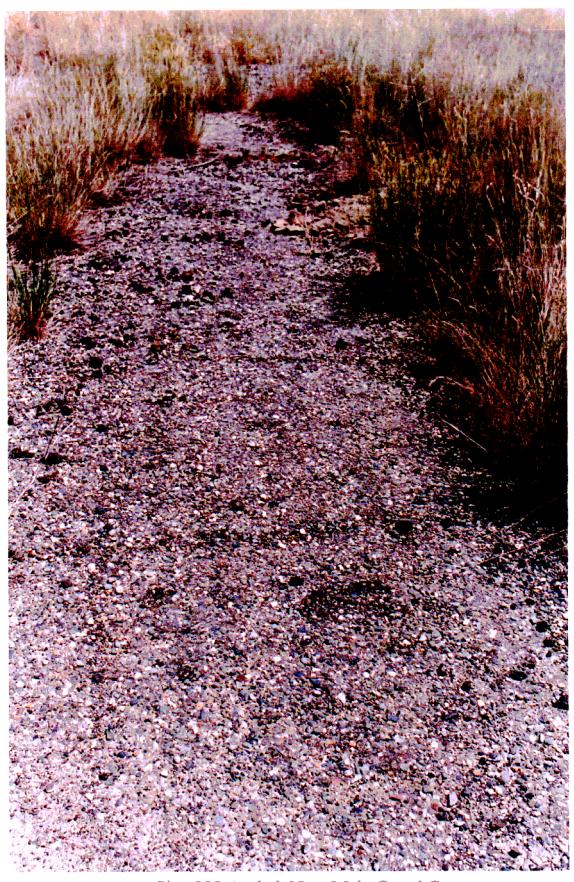
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Attachment A

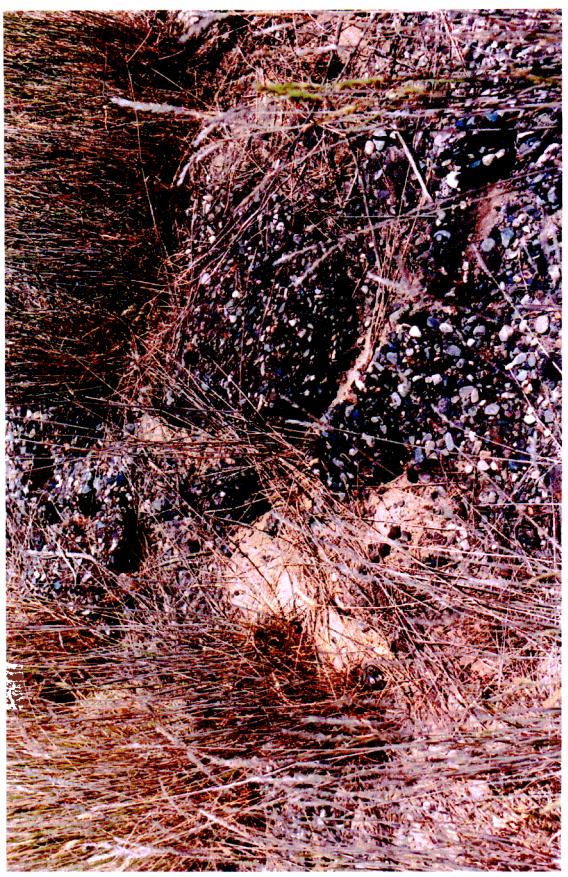
Photographs of Site #029



Site: 029 Asphalt Near Main Guard Gate (PN99-0424-1-21)



Site: 029 Asphalt Near Main Guard Gate (PN99-0424-1-22)



Site: 029 Asphalt Near Main Guard Gate (PN99-0424-1-23)

Attachment B

Supporting Information for Site #029

435.36 04/14/99 Rev. 03

NEW SITE IDENTIFICATION

Par	rt A – To Be Complete	d By Observer					
1.	Person Initiating Report:	Jacob Harris	Ph	ione: 526-1877			
	Contractor WAG Manag	er: Douglas Burns	Ph	one: 526-4324			
2.	Site Title: 029, Asphalt	Site Title: 029, Asphalt Near Main Guard Gate					
3.	Describe the conditions that indicate a possible inactive or unreported waste site. Include location and description of suspicious condition, amount or extent of condition and date observed. A location map and/or diagram identifying the site against controlled survey points or global positioning system descriptors shall be included to help with the site visit. Include any known common names or location descriptors for the waste site. Asphalt is located 50 yards north of the intersection of East Portland Avenue with Highway 20 south of the main guard gate. During the July 1999 site visit, observed surface debris included several large areas of asphalt. The GPS coordinates of the site are The reference number for this site is 029 and can be found on the summary map as provided.						
Pai	rt B – To Be Complete	d By Contractor WAG Manager					
4.	Recommendation:						
THE PARTY OF THE P		requirements for an inactive waste site, ren. Proposed Operable Unit assignment is					
		T meet the requirements for an inactive w EL FFA/CO Action Plan.	vaste site, DOES NO	OT require investigation and SHOULD NOT be			
5.	Basis for the recommen	Basis for the recommendation:					
The conditions that exist at this site indicate the potential for an inactive waste site according to Section 2 of MC or Disturbance of Suspected Inactive Waste Sites.							
		ndation must include: (1) source descriptions of interfaces with other programs, a					
6.	Contractor WAG Manager Certification: I have examined the proposed site and the information submitted in this document and believe the information to be true, accurate, and complete. My recommendation is indicated in Section 4 above.						
Nai	me:	Signature:		Date:			
							